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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,193	03/24/2004	Kenichi Koyanagi	NECN 21.087	4587
26304	7590 07/05/2007	EXAMINER		
KATTEN MUCHIN ROSENMAN LLP 575 MADISON AVENUE			EVERHART, CARIDAD	
NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER
			2891	
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			MAIL DATE	DELIVERY MODE
			07/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental						
Notice	of Allowability					

Application No.	Applicant(s)	
10/808,193	KOYANAGI ET AL.	
Examiner	Art Unit	
Caridad M. Everhart	2891	

	Caridad M. Everhart	2891	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. <b>THIS</b>
1. This communication is responsive to <u>IDS filed 6-7-2007.</u>			
2. ☑ The allowed claim(s) is/are <u>1 and 3-25</u> .			
<ol> <li>Acknowledgment is made of a claim for foreign priority unas All b) ☐ Some* c) ☐ None of the:         <ol> <li>Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ol> </li> <li>Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> </ol>	been received.  been received in Application No cuments have been received in this communication to file a reply received.	national stage applica	
4.  A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or N tion is deficient.	OTICE OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
(a) including changes required by the Notice of Draftspers	•	948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawin he header according to 37 CFR 1.121(c	igs in the front (not the	back) of
DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. N AL MATERIAL.	Note the
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Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 D Notice of Informal B	atant Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	<ul><li>5. ☐ Notice of Informal Page 6. ☐ Interview Summary</li></ul>	(PTO-413),	
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7. ☐ Examiner's Amendm		
Paper No./Mail Date <u>5-9-07;:6-7-07</u> 4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Stateme	nt of Reasons for Allo	wance
of Biological Material	9.		

Application/Control Number: 10/808,193

Art Unit: 2891

## **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The IDS filed 5-9-2007 and the IDS filed 6-7-2007 have been reviewed. The prior art of record does not teach or suggest all of the limitations of the allowed claims and there is not motivation for the combination of the references which would result in all of the limitations of the allowed claim, especially the supplying an oxidizing gas before deposition of a monoatomic film, depositing a monoatomic film of a metal, and then depositing a metal oxide film by using a CVD technique. Derderian et al (US 6,458,416B1) discloses the step of supplying an oxidizing gas before depositing a metal using a metal source which does not include oxygen; however, Derderian et al does not teach or suggest that the subsequent step is a CVD technique. Derderian et al discloses that the steps may apply to CVD(col. 2, lines 25-26), but also points out the differences between ALD and CVD(col. 4,lines 28-38). In addition, Derderian et al discloses other initiation precursors(col. 6, lines 40-45) which may be chosen rather than an oxidant. Ravi(EP1205574) discloses a variety of precursors, and does not teach exposure to an oxidant before the first monolayer is deposited.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2891

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caridad M. Everhart whose telephone number is 571-272-1892. The examiner can normally be reached on Monday through Fridays 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, B. Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CARIDAD EVERHAPT PRIMARY EXAMINED

C. Everhart 6-28-2007